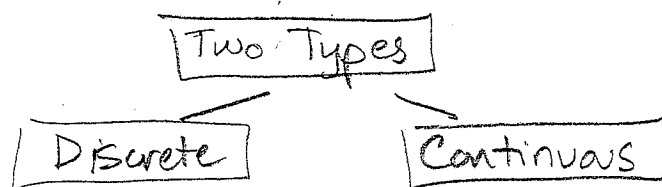


Chapter 5 - Intro

A Statistical Experiment is

- [Ex] → Counting the number of Eggs in a Robins Nest
→ Measuring the weight of a polar Bear Cub.

Random Variable



Probability Distribution →

Requirements

(1.)

(2.)

QUICK EXAMPLE

Source: *Common HN*

Test Scores for 200 Subjects

Probability Distribution

Score, x	Probability, $P(x)$
1	0.1
2	0.2
3	0.3
4	0.2
5	0.1
6	0.05
7	0.05

Mean $k =$

Finding Mean & Standard Deviation

x	$P(x)$	$x \cdot P(x)$	x^2	$x^2 \cdot P(x)$